## WHAT IS CLAIMED IS:

1. An image processing apparatus for writing images to print media comprising:

an imaging drum for supporting said print media having a drive end wall and a vacuum end wall;

a print head for forming an image onto said print media; a motor for rotating said imaging drum;

a blower for creating a vacuum supply to said imaging drum for holding said print media on said imaging drum; and

at least one vacuum piston for creating a second vacuum supply to said surface, wherein said vacuum piston is mounted in said drive end wall or said vacuum end wall.

- 2. The image processing apparatus according to claim 1, wherein said vacuum supply and said second vacuum supply are reduced for loading said print media.
- 3. The image processing apparatus according to claim 1, wherein said at least one vacuum piston consists of a first vacuum piston and a second vacuum piston, and wherein said first vacuum piston is mounted in said drive end wall and said second vacuum piston is mounted in said vacuum end wall.
- 4. The image processing apparatus according to claim 1, wherein a plurality of vacuum pistons are disposed on either said drive end wall or said vacuum end wall.
- 5. The image processing apparatus according to claim 1, wherein said at least one vacuum piston upon rotation of the imaging drum, forms a vacuum chamber which communicates with at least one evacuation passage thereby providing a second vacuum supply to the surface.

- 6. The image processing apparatus according to claim 1, wherein said vacuum supply is varied using a vacuum supply controller.
- 7. The image processing apparatus according to claim 1, wherein said second vacuum supply varies with the imaging drum rotational speed.
- 8. The image processing apparatus according to claim 6, wherein said vacuum supply controller changes the speed of said blower by pulse width modulation of a DC voltage level to said blower.
- 9. The image processing apparatus according to claim 1, wherein said print media is covered by a dye donor material.
- 10. The image processing apparatus according to claim 1, wherein said image processing apparatus is a laser thermal printer.
- 11. The image processing apparatus according to claim 1, wherein a dye donor material overlays said print media and said printhead writes an image to said print media by transferring from said dye donor material to said print media.
- 12. The image processing apparatus according to claim 1 wherein the image processing apparatus is a film writer.
- 13. A method for loading and unloading print media from an imaging drum having a surface, a drive end wall and a vacuum end wall, comprising the steps of:

creating a vacuum supply on said surface of said imaging drum;

rotating said imaging drum; loading print media onto said surface; holding said print media onto said surface by said vacuum supply which engages vacuum holes connecting to a hollowed-out interior portion of said imaging drum; and

using a vacuum piston for forming a second vacuum supply during said rotation to said vacuum holes.

14. The method as in claim 13, comprising the additional steps of:

slowing said imaging drum thereby decreasing the second vacuum supply to the surface; and unloading said print media.

15. An imaging drum for supporting print media comprising: an external surface and a hollowed-out interior portion; a plurality of vacuum holes in said external surface; a drive end wall and a vacuum end wall; a first vacuum supply for holding print media onto said external surface through said plurality of vacuum holes; and

a second vacuum supply for holding print media onto said external surface provided by at least one vacuum piston mounted in one of said walls for creating a second vacuum supply to said plurality of vacuum holes.

- 16. The imaging drum according to claim 15, wherein said first vacuum supply and said second vacuum supply are reduced for loading print media onto said external surface.
- 17. The imaging drum according to claim 15, wherein said at least one vacuum piston consists of a first vacuum piston and a second vacuum piston, mounted in said drive end wall and said second vacuum piston is mounted in said vacuum end wall.

- 18. The imaging drum according to claim 15, where a plurality of vacuum pistons are mounted on either said drive end wall or said vacuum end wall.
- 19. The imaging drum according to claim 15, wherein said at least one vacuum piston upon rotation of the imaging drum forms a vacuum chamber which communicates with at least one evacuation passage which provides the second vacuum supply to the external surface.
- 20. The imaging drum according to claim 15, wherein said first vacuum supply is varied using a vacuum supply controller.
- 21. The imaging drum according to claim 15, wherein said second vacuum supply varies with the imaging drum rotational speed.